

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2002228085 A**

(43) Date of publication of application: **14.08.2002**

(51) Int. Cl. **F16L 59/00**
B32B 7/02
// C09D 5/00, C09D 7/12

(21) Application number: **2001024165**
(22) Date of filing: **31.01.2001**

(71) Applicant: **SUMITOMO METAL IND LTD**
(72) Inventor: **TAKAHASHI MICHIMASU**
IKISHIMA KENJI

(54) HEAT-RADIATIVE SURFACE-TREATED MATERIAL

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a surface-treated material excellent in heat radiative property and capable of preventing design from being impaired.

SOLUTION: In this thermal radiative surface-treated material, an outer layer coating film and an inner layer

coating film are provided on a base material (for example, metal), and the emissivity of thermal radiation of the inner layer coating film is $\geq 70\%$. If the inner layer coating film contains 0.03-70 mass % of the pigment of the emissivity of thermal radiation of $\geq 70\%$ to the dry mass of the coating film, or if the heat wave transmittance ratio of the outer layer coating film is $\geq 20\%$, the thermal radiation property for the surface-treated material is preferably excellent.

COPYRIGHT: (C)2002,JPO